



Comtrac® P 45/45

Data Sheet

Earthworks and Foundations

Comtrac® P 45/45 high strength geotextile fabric is comprised of high tenacity polypropylene yarns which are woven into a stable network such that the yarns retain their relative positions. The fabric is inert to biological degradation and naturally encountered chemicals, alkalis, and acids. Comtrac® P 45/45 high strength geotextile conforms to the minimum average roll values listed in the following table.

Physical Properties of Comtrac® P 45/45

PROPERTY	TEST METHOD	ENGLISH units ¹ MDx CMD	SI units ¹ MDx CMD
Ultimate Tensile Strength	ASTM D-4595	5270 x 277 lb/in	47 x 48 kN/m
Tensile Strength @ 2%	ASTM D-4595	32 x 90 lb/in	5.6 x 15.8 kN/m
Tensile Strength @ 5%	ASTM D-4595	104 x 187 lb/in	18 x 33 kN/m
Mass Per Unit Area	ASTM D-5261	6.6 oz/yd ³	224 g/m ²
Grab Tensile Strength	ASTM D-4632	387 x 338 lb	1.7 x 1.5 kN
Grab Tensile Elongation	ASTM D-4632	19% x 15%	19% x 15%
Apparent Opening Size	ASTM D-4751	20 US Sieve	0.83 mm
Permittivity	ASTM D-4491	1.05 sec ⁻¹	1.05 sec ⁻¹
Flow Rate	ASTM D-4491	77 gal/min/ft ²	3100 l/min/m ²
Puncture Strength	ASTM D-6241	1539 lb	6.8 kN
Trapezoidal Tear Strength	ASTM D-4533	109 x 157 lb	0.48 x 0.68
UV Resistance (500 HRS)	ASTM D-4355	80%	80%

¹ Minimum average roll values are based on a 95% confidence level. MD-Machine Direction CMD-Cross Machine Direction

Standard Roll Size: 5.2 m (CMD) x 100 m (MD)=520 m²/roll

17.06 ft (CMD) x 328.1 ft (MD)=622 yd²/roll

Roll Weight (includescore)=306 lbs (139 kg)

Each roll of Comtrac® delivered to the project site is labeled by HUESKER with a roll label that indicates manufacturer's name, product identification, lot number, roll number and roll dimensions. All rolls of Comtrac® are encased in a sturdy polyethylene wrap to shield the fabric from rain, dirt, dust and ultraviolet light. Contact HUESKER for information on our product warranty.

